

Community

News

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Preview: Stuttgart Laser Technology Forum SLT'18

Stuttgart, Germany, 5–6 June, 2018

The Stuttgart Laser Technology (SLT) Forum is a bi-annual congress on applied laser technology. It is organized by the team from the Institut für Strahlwerkzeuge (IFSW) of the University of Stuttgart. It is held in conjunction with the LASYS, the international trade fair for laser material processing.

The Stuttgart region is home to many famous players in the arena of laser material processing. This is reflected by the presence of leading laser manufacturers and users in mechanical engineering at the trade fair and at the SLT Forum.

The first plenaries of the SLT Forum give a good example how scientific and industrial excellence join together in Stuttgart:

1. 'The future of industrial laser applications' Berthold Schmidt, TRUMPF Lasertechnik GmbH, Ditzingen, Germany
2. 'Gravitational wave astronomy: We can hear the universe!' Karsten Danzmann, MPI für Gravitationsphysik, Hannover, Germany

The rest of the program splits into two paths with the following session topics:

On the evening of the first day the conference participants are invited to the IFSW for some laser presentations and a "Swabian Evening" in the inner courtyard of the IFSW building.

The IFSW offers extensive services within the fields of research, application and consultation. It has the latest state of the art laboratory equipment as well as an appropriate infrastructure for application orientated research and development.

www.slt.uni-stuttgart.de/information/flyer.en.html

Preview: Stuttgart Laser Marketplace'18

Room C7.1, ICS, Stuttgart, Germany, 6 June, 2018

The STUTTGART LASER MARKETPLACE'18 is another event that is co-located with the LASYS fair at ICS (International Congress Center Stuttgart) at the Trade Fair Centre Stuttgart near the airport.

This event is organized by Optech Consulting, namely Dr. Arnold Mayer. It takes place on 6th of June 2018 from 1 p.m. until 4.30 p.m. parallel to the SLT 2018, registration is on the same site.

Arnold Mayer is the most reputed expert on laser market research in the world. Accordingly, the STUTTGART LASER MARKETPLACE seminar is focused on the global industrial laser market. Leading experts will

Fundamentals and applications of cw laser processing

Advanced process control
High average power lasers
Additive manufacturing

Fundamentals and applications of ultrafast laser processing

Surface functionalization
System technology for ultrafast laser applications
Scaling ultrafast laser applications

Ultrafast laser sources and optics

High power and high energy ultrafast lasers
Ultrafast scanners
Beam delivery for high power ultrafast lasers

High-average power cw laser sources and optics

System technology for high average power cw laser applications
Mid-IR and visible laser sources
Spatial and spectral tailoring of high power laser beams

present their view on markets, technologies and application trends in laser materials processing.

The event is designed for professionals, executives from marketing, R&D and investors. Do not miss the opportunity to join the only laser market seminar that Optech Consulting is giving this year in Europe.

Program:

13:00 Welcome address (Dr. Arnold Mayer, Optech Consulting)

13:05–13:30 How Mobile Device Performance is Driving New Laser Processes (Dr. Dirk Mueller, Director of Strategic Marketing, Coherent Inc.)

13:30–13:55 Fiber Lasers in China (Dr. Kevin Liu, General Manager, Shenzhen JPT Electronics)

13:55–14:20 Advanced Fiber Lasers Open Up New Areas of Application (Dr. Klaus Krastel, Director Automotive, IPG Laser)

14:20–15:10 Coffee break

15:10–15:35 Latest Trends in High Power Laser Processing for Emerging Applications (Till Schneider, Head of Laser Product Management, Trumpf Laser- und Systemtechnik)

15:35–16:00 Laser Processing for Advanced Automotive Power Train Solutions (Dr. Andreas Mootz, Managing Director, EMAG Automation)

16:00–16:25 Global Market for Lasers and Laser Systems for Materials Processing (Dr. Arnold Mayer, President, Optech Consulting)

16:30 Closing

Ticket holders for the SLT 2018 have free access to the STUTTGART LASER MARKETPLACE'18.

Registration for the STUTTGART LASER MARKETPLACE'18 includes free access to the Plenary Sessions of the SLT 2018. Please note that access to the SLT Technical Sessions is not included.

<https://www.slt-registration.de/registration>

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Conference Calendar

May

AKL'18 International Laser Technology Congress

Aachen, Germany
2–4 May, 2018
www.lasercongress.org

EOS Topical Meeting on Terahertz Science & Technology (TST 2018)

Berlin, Germany
6–9 May 2018
<http://www.myeos.org/events/tst2018>

CLEO

San Jose, CA, USA
13–18 May 2018
www.cleoconference.org

SPIE Translational Biophotonics

Austin, TX, USA
14–15 May, 2018
<http://spie.org/x127816.xml>

SPIE Optical Systems Design

Frankfurt, Germany
14–17 May, 2018
<http://spie.org/x126923.xml>

optatec

Frankfurt, Germany
15–17 May 2018
www.optatec-messe.de

June

LASYS

Stuttgart, Germany
5–7 June 2018
www.lasys-messe.de

SLT'18–Stuttgart Laser Technology Forum

Co-located with LASYS
Stuttgart, Germany
5–7 Juni 2018
www.slt.uni-stuttgart.de

SPIE Astronomical Telescopes and Instrumentation

Austin, TX, USA
10–15 June 2018
<http://spie.org/astronomical-instrumentation.xml>

2. OptecNet Jahrestagung

Berlin, Germany
20–21 June 2018
<http://optecnet.de/jahrestagung/jahrestagung-2018/>

OSA Imaging and Applied Optics Congress

Orlando, FL, USA
25–28 June 2018
www.osa.org/Meetings/OSA_Meetings/OSA_Imaging_and_Applied_Optics_Congress

July

OSA Advanced Photonics Congress

Zürich, Switzerland
2–5 July 2018
www.osa.org/Meetings/OSA_Meetings/Advanced_Photonics_Congress

XXI International Conference on Ultrafast Phenomena

Hamburg, Germany
15–20 July 2018
www.osa.org/en-us/meetings/global_calendar/events/xxi_international_conference_on_ultrafast_phenomena/

CLEO Pacific Rim Conference

Hong Kong, China
29 July–3 August 2018
www.osa.org/en-us/meetings/topical_meetings/cleo_pacific_rim_conference/

August

SPIE Optics + Photonics

San Diego, CA, USA
19–23 August 2018
Exhibition: 21–23 August 2018
<http://spie.org/op>

September

LANE 2018–10th Conference on Photonic Technologies

Fürth, Germany
03–06 September 2018
www.lane-conference.org

SPIE Security + Defence Remote Sensing

Berlin, Germany
10–13 September 2018
Exhibition: 11–12 September 2018
<http://spie.org/sd>

FiO/LASER Science: 102nd OSA Annual Meeting

Washington, DC, USA
16–20 September 2018
www.frontiersinoptics.com/home/

SPIE Photomask Technology + EUV Lithography

Monterey, CA, USA
17–20 September 2018
Exhibition: 18–19 September 2018
<http://spie.org/x126645.xml>

Photonics Days

Jena, Germany
17–20 September 2018
www.iof.fraunhofer.de/de/veranstaltungen/PhotonicsDays.html

ECOC European Conference on Optical Communications

Rome, Italy
23–27 September 2016
www.ecoc2018.org

IEEE Photonics Conference

Reston, VA, USA
30 September–4 October
<https://ieee-ipc.org/>

October**European Optical Society Biennial Meeting (EOSAM) 2018**

Delft, The Netherlands
8–12 October 2018
www.myeos.org/events/eosam2018

Photonics Asia

Beijing, China
11–13 October
<http://spie.org/x127644.xml>

Photonic Days Berlin Brandenburg

Berlin, Germany
17–18 October 2018
www.optik-bb.de/de/veranstaltungen/photonic-days-berlin-brandenburg-2018

glasstec

23–26 October 2018
Düsseldorf, Germany
www.glasstec.de

November**Advanced Solid State Lasers Conference**

Laser Application Conference
Boston, MA, USA
4–8 Nov 2018
www.osa.org/Meetings/Global_Calendar/Events/Advanced_Solid_State_Lasers_Conference

VISION

Stuttgart, Germany
06–08 November 2018
www.messe-stuttgart.de/vision/en/

Optics and Photonics for Energy & the Environment

Sentosa Island, Singapore
5–8 November 2018
www.osa.org/Meetings/Global_Calendar/Events/Optics_and_Photonics_for_Energy_the_Environment

2019**SPIE Photonics West**

San Francisco, CA, USA
2–7 February 2019
Exhibition: 5–7 February 2019
<http://spie.org/pw>

SPIE Advanced Lithography

San Jose, CA, USA
19–22 February 2019
<https://spie.org/advanced-lithography>

OFC

San Diego, CA, USA
3–7 March, 2019
www.ofcconference.org

5. UKP-Workshop

Aachen, Germany
10–11 April 2019
www.ultrakurzpuhlaserer.de

OSA Biophotonics Congress: Optics in the Life Sciences

Tucson, AR, USA
15–17 April 2019
www.osa.org/Meetings/OSA_Meetings/OSA_Biophotonics_Congress

CLEO

San Jose, CA, USA
5–7 May
www.cleoconference.org

Optical Interference Coatings

Santa Ana Pueblo, NM, United States
2–7 June 2019
www.osa.org/Meetings/Topical_Meetings/Optical_Interference_Coatings

Laser Applications Conference

Vienna, Austria
29 September–03 October 2019
www.osa.org/en-us/meetings/global_calendar/events/laser_applications_conference/

Advanced Solid State Lasers Conference

Vienna, Austria

29 September–03 October 2019

[www.osa.org/Meetings/Global_Calendar/Events/Advanced_Solid_State_Lasers_Conference_\(1\)](http://www.osa.org/Meetings/Global_Calendar/Events/Advanced_Solid_State_Lasers_Conference_(1))**SPIE Optifab**

Rochester, NY, USA

14–17 October 2019

<https://spie.org/conferences-and-exhibitions/optifab>**Frontiers in Optics: the 103rd OSA Annual Meeting and Exhibit/
Laser Science Conference**

Washington, DC, USA

13–17 Oct 2019

www.osa.org/Meetings/Global_Calendar/Events/Frontiers_in_Optics_the_103rd_OSA_Annual_Meeting

Community

News from the European Optical Society EOS

EOS Biennial Meeting (EOSAM) 2018: Submission extended until 31 May 2018

Delft, The Netherlands, 8–12 October, 2018

EOSAM is the flagship event of the EOS where the latest results in optics and photonics research will be presented. The meeting will take place at the Delft University of Technology, from October 8th to 12th, 2018. The meeting includes several Topical Meetings, tutorials, the Autumn Physics School on Metrology for Thin Film Materials, an industrial exhibition, special sessions on the EU Project results dissemination and the Grand Challenges of Photonics, and more.

The submission deadline for contribution to EOSAM is the 31st May, 2018 for all topical meetings. The best student oral and poster presentations will be awarded (sponsored by ZEISS). For submission, please go to <https://www.conftool.com/eosam2018>.

Topical Meetings (TOMs), tutorials and an autumn physics school

EOSAM is organized in nine topical meetings and a number of special events. Prior to the actual conference program, tutorials and an autumn physics school are organized at the conference venue on Monday the 8th of October. Tutorials will cover the topics of the Topical Meetings. The Autumn Physics School on Metrology for Thin Film Materials is also held on Monday the 8th of October, parallel to the tutorials. The school is organized as part of the dissemination activity for Project 16ENG03 HYMet <https://www.hymet.ptb.eu/>.

- TOM 1 – Silicon Photonics and Guided-Wave Optics
- TOM 2 – Freeform Optics for Illumination, Augmented Reality and Virtual Reality
- TOM 3 – Optical System Design, Tolerancing and Manufacturing
- TOM 4 – Bio-Medical Optics
- TOM 5 – Metamaterials, Plasmonics and Resonant Nanophotonics
- TOM 6 – Frontiers in Optical Metrology



The EOSAM 2018 takes place in the Dutch city of Delft.

- TOM 7 – Organic and Hybrid Semiconductor Materials and Devices
- TOM 8 – Adaptive Optics and Information driven optical systems
- TOM 9 – Optical Tapered Fibers for Light Manipulation on the Nanoscale – NEW

The keynote speakers include world-renowned names from different fields: Jean-Jacques Greffet, Institut d'Optique, France speaking, on Metamaterials, Plasmonics and Resonant Nanophotonics; Jenny Nelson, Imperial College, UK speaking on Organic and Hybrid Semiconductor Materials and Devices; and Laura Waller, Berkeley University, USA speaking on Adaptive Optics and Information Driven Optical Systems.

In the Grand Challenges session, world-class speakers will discuss technologies which are revolutionary, uncommon and not realizable to date, but which will pave the way for an even brighter future in optics and photonics. Xiacong Yuan from the Nanophotonics Research Centre in Shenzhen University, China will discuss the singular optical beam multiplexing communication towards high performance computing applications. Marc Cayrel from the European Southern Observatory, Germany, will present challenges in creating ELT, a 39 m telescope. This revolutionary scientific project for a 40 m-class telescope will allow us to address many of the most pressing unsolved questions about our universe. Ronald Hanson from QuTech, Delft University of Technology, The Netherlands, will provide a glimpse into the dawn of quantum networks.

Abstract submission

The abstract submission deadline has also been extended to the 31st of May 2018. Contributions are accepted for oral and poster presentations (please indicate your preference). At least one author is requested to register for the meeting separately from the abstract submission.

Industrial attendees are offered several opportunities to increase visibility during the week. The 2-day industrial exhibition will once again be held alongside the conference program during the week, on Wednesday the 10th and Thursday the 11th of October. Companies are invited to send industrial posters to Topical Meeting (TOM) 3 on Optical System Design, Tolerancing and Manufacturing. There are also other exciting things planned for companies, among others, a 'Meet and Greet' for companies and students. More information announced on the event website: www.myeos.org/events/eosam2018.

Topical Meeting on Waves in Complex Photonics Media: Fundamentals and Device Applications

Anacapri, Italy, 4–7 June, 2018

Register as an attendee: <https://www.conftool.com/anacapri2018>

The Topical Meeting will be held among the beautiful scenery of Italy, Anacapri, on the Island of Capri between the 4th and 7th of June, 2018. A long list of world-renowned



experts in the field of optics in complex media have been invited to speak at the event. The meeting is chaired by Luca Dal Negro, Boston University (USA), and Vito Mocella, Consiglio Nazionale delle Ricerche (Italy).

You can read more about the meeting and check out the list of speakers and topics on the EOS website: www.myeos.org/events/anacapri2018

EOS Board Election and EOS Fellow Nomination

This year (2018) is an election year for the EOS Board and there are four seats to be filled.

We invite all EOS members to nominate candidates for election to the Board.

Nominations may be made either by letter or by e-mail. If by letter, this must be signed by three EOS members (not including the person nominated). A letter from the person nominated, accepting the nomination, must also be enclosed (or sent separately). If by e-mail, each of the three EOS members supporting the nomination must send in a separate e-mail indicating their support for the candidate. (This is important, as the receipt of three separate e-mails is being accepted in lieu of signatures.) In addition, the person nominated must send an e-mail accepting the nomination. Contact details for both letters and e-mails are given below. Please note that all four people involved (candidate and three supporters) must be members (Full or Associate) of EOS.

Each EOS member is entitled to nominate up to three candidates for election to the Board. There is no rule to prevent the same three people nominating more than one candidate. We urge you to take advantage of this opportunity to nominate candidates for the election later this year.

The present EOS Board is:

Björk, Gunnar (Sweden) (term ends 2018)/vacant
Setälä, Tero (Finland) (term ends 2018)/vacant
Bertolotti, Mario (Italy) (can be re-elected)

Reed, Graham (UK)/secretary (can be re-elected)
Ettemeyer, Andreas (Switzerland)
Segonds, Patricia (France) Rendina, Ivo (Italy)

Ex officio Board Members

Urbach, Paul (Netherlands) (Interim President, Past President)

Michinel, Humberto (Spain) (President-Elect: becomes President for 2018–2020)

Denz, Cornelia (Germany) (represents Germany)

Livshits, Irina (Russia) (represents the Affiliated Societies)

Paterson, Carl (UK) (represents the UK)

Pauliat, Gilles (France) (Treasurer, represents France)

Sibilia, Concita (Italy) (represents Italy, Sweden and Switzerland)

Fähnle, Olivier (Switzerland) (Chair of the Industrial Advisory Committee)

Südmeyer, Thomas (Switzerland) (Chair of the Scientific Advisory Committee)

To clarify, the vacancies for election by the membership in 2018 are the seats presently occupied by:

Björk, Gunnar (Sweden)

Setälä, Tero (Finland)

Bertolotti, Mario (Italy)

Reed, Graham (UK)/secretary

Mario Bertolotti (Italy) and Graham Reed (UK) are eligible to stand for re-election, but must be nominated in the usual way.

Nominations close on the 31st of March 2018, but it will assist the election organizers if you send your nominations in as soon as possible.

Contact details for nominations:

By letter: Prof. Hans Peter Herzig, Ecole Polytechnique Fédérale de Lausanne (EPFL), Rue de la Maladière 71b, CP 526, CH-2002 Neuchâtel, Switzerland
By e-mail: hanspeter.herzig@epfl.ch
For nominating EOS Fellows, go to <http://www.myeos.org/members/fellows>. Nominations close August 1, 2018.